



**UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
087646,484	05/08/96	MUON	B 27951-00023

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B3M1/1016

EXAMINER

THLANG, E

ART UNIT

PAPER NUMBER

2305

DATE MAILED:

10/16/97

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

# Office Action Summary

Application No.

08/646,484

Applicant(s)

Moon, Billy G.

Examiner

Eric S. Thlang

Group Art Unit

2305



☒ Responsive to communication(s) filed on Aug 11, 1997

☒ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claims

☒ Claim(s) 11-21 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 11-21 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

### **Part III DETAILED ACTION**

#### *Response to Amendment*

1. This Office Action is responsive to the amendment filed August 11, 1997.
2. The new title has been approved.
3. The applicant has been canceled claims 1-10, and add claims 11-21. Once again, claims 11-21 are present for reexamination.
4. Applicant's arguments filed August 11, 1997 have been fully considered but are moot in view of the new grounds of rejection. New prior arts have been found to cover this aspect of the invention.

#### *Drawings*

5. This application has been filed with informal drawings which are acceptable for examination purposes only. Formal drawings will be required when the application is allowed.
6. Direct any inquires concerning drawing review to the Drawing Review Branch at (703) 305 - 8404.

#### *Claim Rejections - 35 U.S.C. § 102*

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102

that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claims 11-21 are rejected under 35 U.S.C. § 102(b) as being anticipated by Hamilton (U.S. 5,175,766).

Hamilton (5175766) disclose (e.g., see Figs. 1-15, 112, 120-121, and 189-192) the invention substantially as claimed:

As per claims 11, 13, 18, and 21, Hamilton teaches:

- (a) a transmitter for transmitting signals on a single communications channel (col. 19, lines 37-68);
- (b) a receiver for receiving signals on the single communications channel (col. 19, lines 40-50);
- (c) processing means for indicating whether the UART is operating in a full duplex mode of operation (col. 27, lines 10-20); and
- (d) receiver control circuitry for disabling and enabling the receiver in response to the indication of a full duplex mode of operation by the processing means (e.g., Figs. 112A-C, 120-121; col. 52, lines 45-62).

As per claim 12, Hamilton teaches all claimed limitations as applied to claims 1, 3, 5 above. Furthermore, Hamilton teaches means for storing data to be transmitted by the transmitter (Figs. 8A-C; col. 27, lines 21-28).

As per claims 14, 15, 19, and 20, Hamilton teaches all claimed limitations as applied to claims 1, 3, 5 above. Furthermore, Hamilton teaches:

- (a) a data store for queuing data to be transmitted by the transmitter (col. 29, lines 20-68); and
- (b) a FIFO for passing data between the data store and the transmitter (Fig. 7, #710, 712).

As per claim 16, Hamilton teaches all claimed limitations as applied to claims 1, 3, 5 above. Furthermore, Hamilton teaches a receiver enable flag has been set (Fig. 5A, #506, 528).

As per claim 17, Hamilton teaches all claimed limitations as applied to claims 1, 3, 5 above. Furthermore, Hamilton teaches enables and disables the receiver in response to the indication of whether the receiver enable flag has been set (Figs. 112A-C, and 120-121).

### *Conclusion*

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for response to this final action is set to expire THREE MONTHS from the date of this action. In the event a first response is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory

action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event will the statutory period for response expire later than SIX MONTHS from the date of this final action.

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

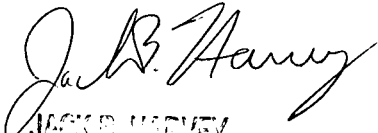
11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eric S. Thlang whose telephone number is (703) 305-4004. The examiner can normally be reached on Monday - Thursday from 7:00 a.m. to 4:30 p.m. The examiner can also be reached on alternate Fridays during the same hours.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Harvey, can be reached on (703) 305-9705. The fax phone number for this Group is (703) 308-9051 or (703) 308-9052.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [[jack.harvey@uspto.gov](mailto:jack.harvey@uspto.gov)].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy

published in the Official Gazette of the Patent and Trademark on February 25, 1997  
at 1195 OG 89.

  
JACK B. HARVEY  
SUPERVISORY PATENT EXAMINER  
GROUP 2200

EST  
October 10, 1997